



Logitech K750 Keyboard ML2032 to CR2032 battery replacement

You will remove ML2032 battery and replace it with CR2032, but you need to disable solar pannels first because CR2032 can not be charged.

Written By: Endrju



INTRODUCTION

It is almost impossible to buy new ML2032 battery to replace old one.

Logitech support will not help you and they do not have this as a spare part.

Maxell - battery manufacturer answered me this: "Unfortunately ML type batteries are industrial batteries which we sell to OEMs only. Due to **strict health and safety purposes** we are not allowed to sell this type of batteries to endusers."

The claim from Maxell is also the reason why I do not believe buying this from eBay nor Amazon.

So I decided to modify my keyboard. If you disable solar panels, there will not be any charging for the battery and then you can use regular CR2032 battery which is easy to buy.

And since I did not find any guide like this I decided to share the steps with you.



TOOLS:

- [Phillips #0 Screwdriver](#) (1)
or Phillips 1 Screwdriver
- [Soldering Station](#) (1)
- [Solder Vacuum](#) (1)
- [Electrical Tape in 6 Assorted Colors](#) (1)



PARTS:

- [CR2032 Lithium Battery](#) (1)

Step 1 — Battery



- The battery tray is near the top edge of the bottom side of the keyboard. It is designed to be easy to insert, difficult to remove.

Step 2



- I used a putty knife to force the tray back out. Just push it into the gap along the bottom, then angle the handle to direct the force of the tip away from the body of the keyboard. A few taps should get you this far.

Step 3 — Note battery orientation.



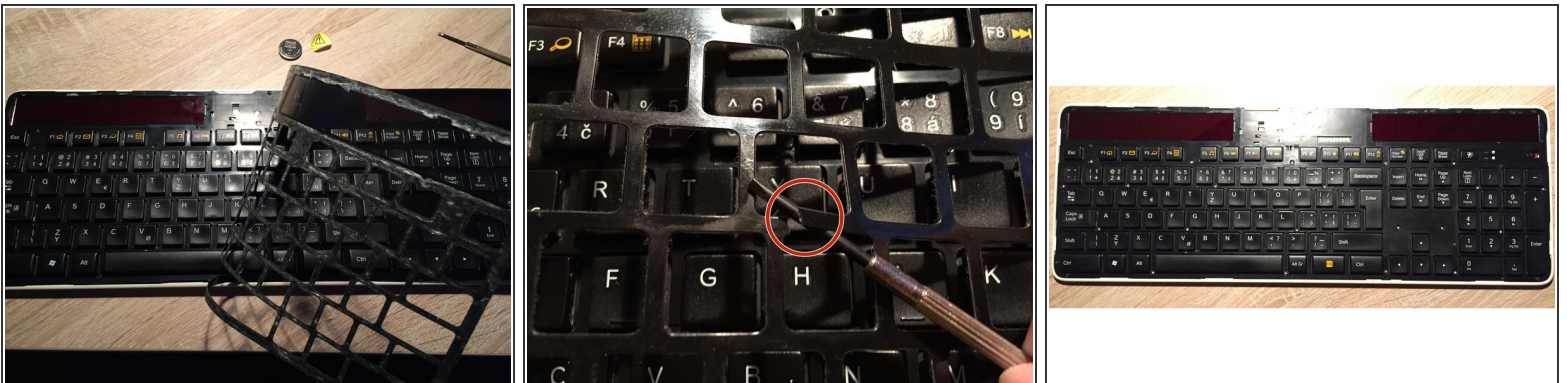
- Once you get the "ears" past the edge, just slide the tray the rest of the way out.
- Note the battery type carefully: It is a ML2032, which is rechargeable. It is NOT the same as a CR2032, which is not rechargeable. Putting a CR2032 in here is a recipe for bad things to happen.
- Note the proper orientation (see picture), positive + symbol facing towards bottom. Negative side facing keys. Slide the tray with the new battery back in. The battery can be oriented incorrectly and NOT work.
- If you want to make it easier to remove the battery the next time, you could trim the ears slightly. Or slice some notches in the plastic "springs" to weaken a little.

Step 4 — Remove old battery



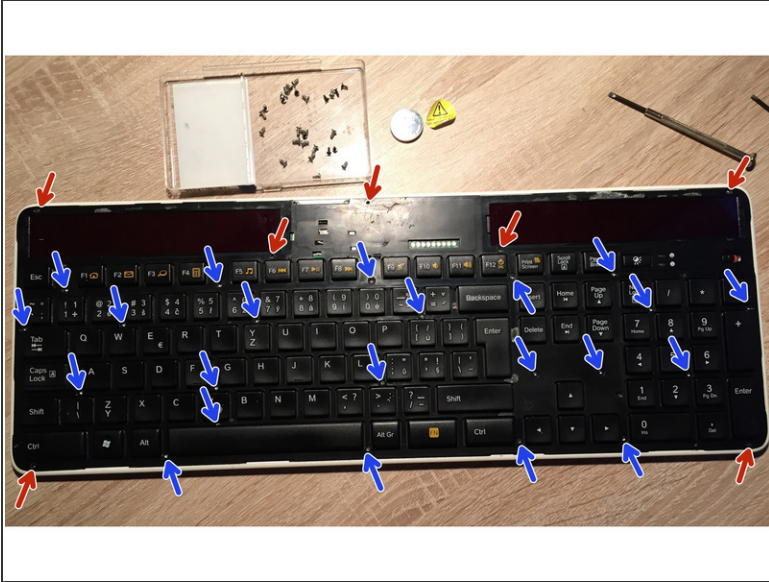
- Steps are described in this guide [Logitech K750 Keyboard Battery Replacement](#). Turn off the keyboard before removing the battery.
- **This battery can be dangerous** so be careful. For more details read [Maxell Product Safety Data Sheet](#).
- For more information about ML type batteries read this [Lithium Manganese Dioxide Rechargeable Battery](#).
- **Trash old ML2032 battery in special container!**

Step 5 — Peel off the plastic top deck



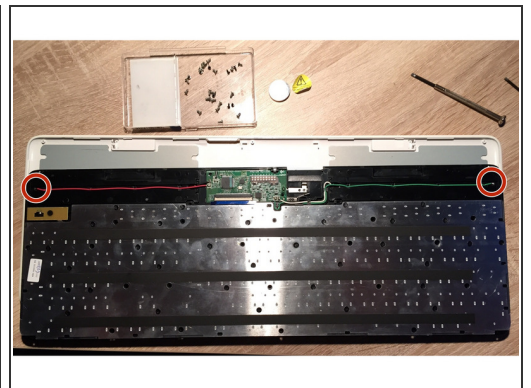
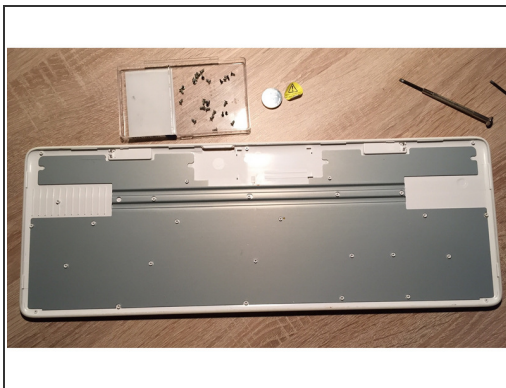
- Be careful to not crack the plastic deck. Don't pull it off hard.

Step 6 — Unscrew the screws



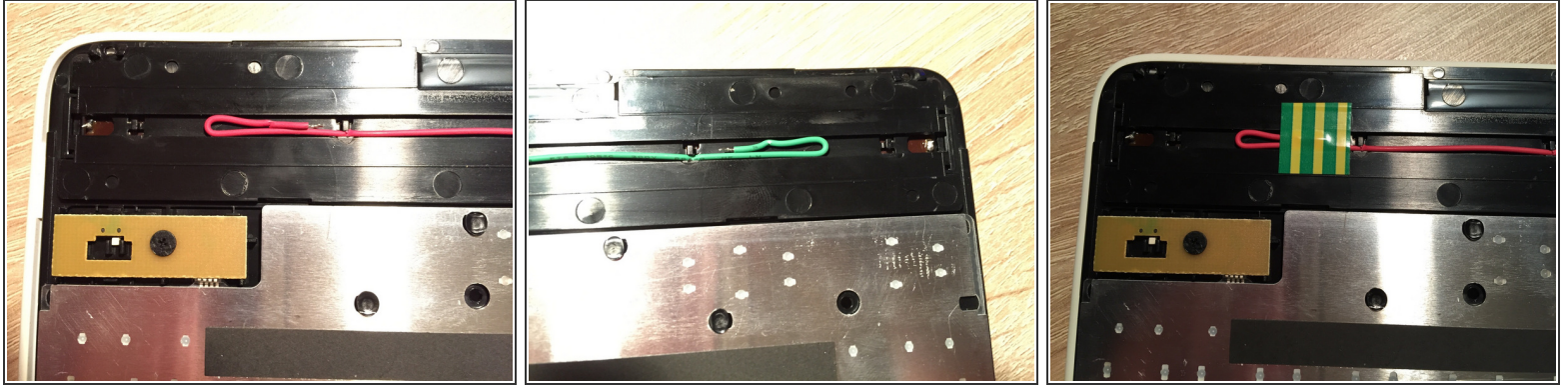
- Remove the seven black Phillips screws.
- Remove the 22 silver screws.
- ⓘ Your model may only have 21 silver screws.
- Put the screws somewhere into the bowl to not lose them and try to remember the position of the black ones.

Step 7 — Remove and flip the top cover



- Unclip the back panel from the front (keys) panel.
- When you flip the (keys) panel you can notice that both solar panels have a pair of cables.

Step 8 — Desolder one wire from both solar panels



- I have decided to desolder the long cable (red and green one) because they are far away from the logic board so I will not transfer heat to it while desoldering them.
- Tape desoldered cables so they do not come in contact with anything.

To reassemble your device, follow these instructions in reverse order.

This document was last generated on 2017-08-30 07:23:25 AM.